

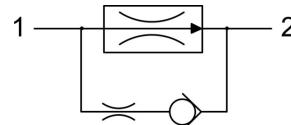
FRS0.G12 VALVE SERIES

GAS Insert - 250 bar

Direct acting - Pressure Compensated



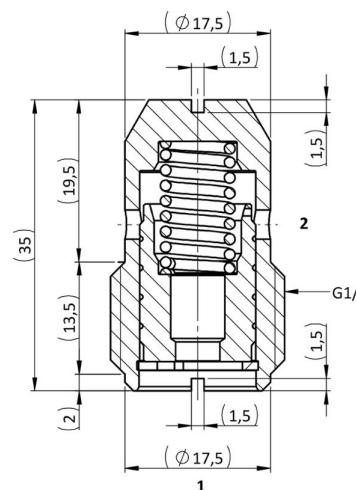
HYDRAULIC SYMBOL



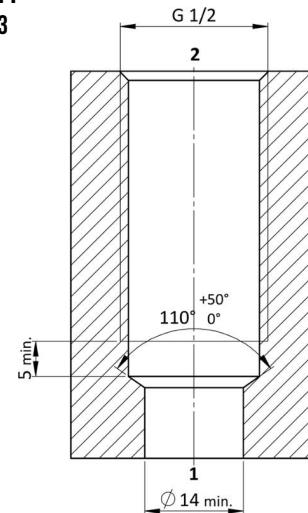
DESCRIPTION

A direct acting, screw-in insert type, 2-way pressure compensated flow control valve. The flow rate of this valve in the 1 to 2 flow path is largely independent of the system pressure and is determined by the dimension of a calibrated orifice. The valve cannot be adjusted for variable flow output. Free flow in the 2 to 1 path is allowed and not pressure compensated.

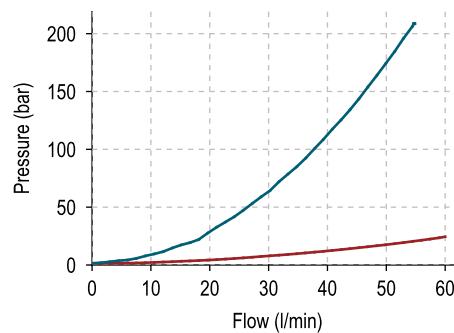
CROSS SECTION



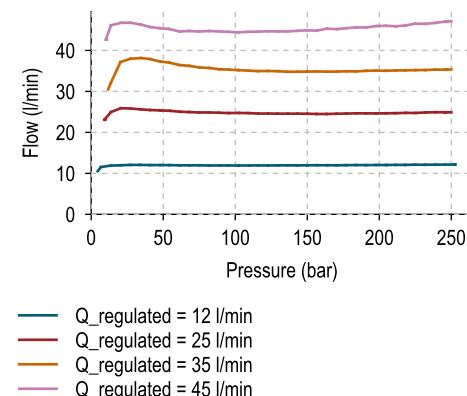
CAVITY VH053



PERFORMANCE DETAILS



2vs1 - 100
2vs1 - 600



Q_{regulated} = 12 l/min
Q_{regulated} = 25 l/min
Q_{regulated} = 35 l/min
Q_{regulated} = 45 l/min

NOTE

The performance chart illustrates flow handling capacity in the pressure compensated mode for a few significant flow settings. p,Q curves are recorded from 1 to 2 port at $T_{Oil} = 40^{\circ}C$ and 46 cSt.

TECHNICAL DATA

| | |
|----------------------------------|---|
| MAXIMUM OPERATING PRESSURE | 250 bar (2 to 1 max working pressure 210 bar) |
| MAXIMUM FLOW | 45 l/min |
| EXTERNAL COMPONENT TREATMENT | Oxide burnished |
| OIL TEMPERATURE RANGE | -30° C to 110° C |
| FLUIDS | Mineral - based or synthetics with lubricating properties |
| VISCOSITIES | 7,4 to 420 cSt |
| FILTRATION | 20/18/15 ISO 4406 (maximum filtration admitted) |
| ORIENTATION | No restrictions |
| INSTALLATION TORQUE | 8-12 Nm |
| TECH. SPEC. FOR CHARACTERIZATION | see page 811 |
| OIL TESTING CONDITIONS | ISO VG 46 cSt |
| WEIGHT | 0,054 kg |

ORDERING CODE

F R S O

VALVE BASIC CODE

G 1 2

SIZE
G12 = GAS G1/2

O N
* * *

FIXED FLOW SETTING
(l/min with 1 decimal)

| FRS0 | |
|----------|-----|
| 12 l/min | 120 |
| 16 l/min | 160 |
| 20 l/min | 200 |
| 25 l/min | 250 |
| 30 l/min | 300 |
| 35 l/min | 350 |
| 40 l/min | 400 |
| 45 l/min | 450 |

Specifications may change without notice.

NOTE

Customized fixed flow can be provided upon request.